



Whistler Design Preview

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Network Load Balancing

after Windows 2000

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Agenda

- **Lessons learned from Windows 2000**
- **Goals for Whistler**
- **Discuss new features**
- **Q & A and feedback**

Lessons Learned from Windows 2000

What customers liked about NLB

- **NLB quick and easy to install and configure for small and medium sized clusters**
- **Allows flexibility, stability and control**
- **No specialized hardware required**

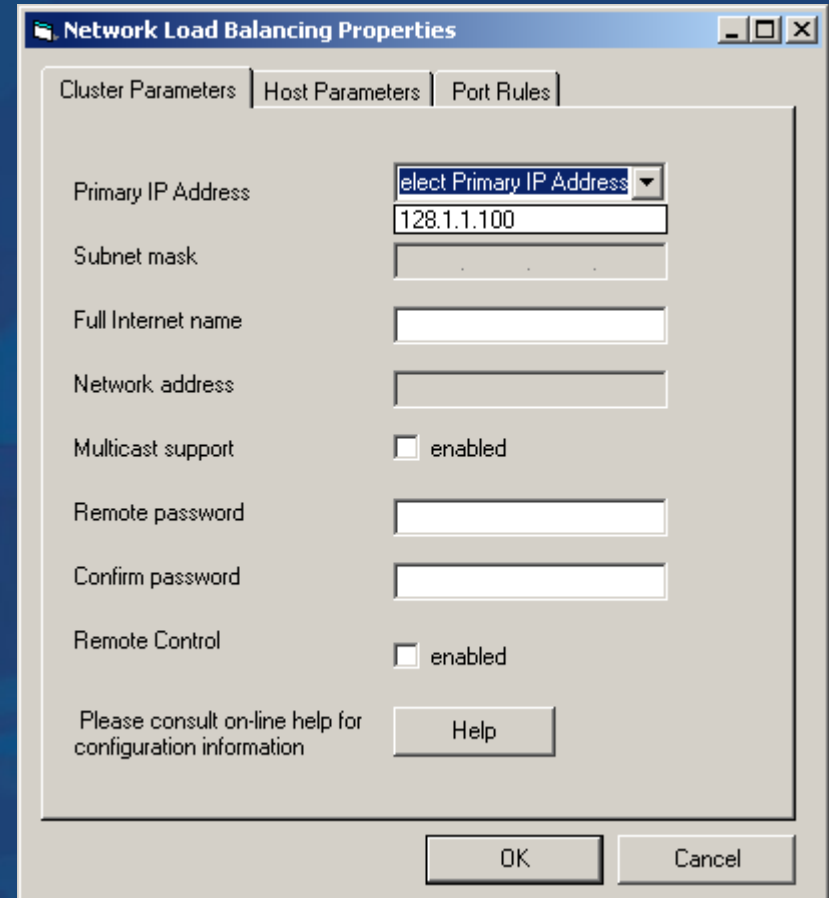
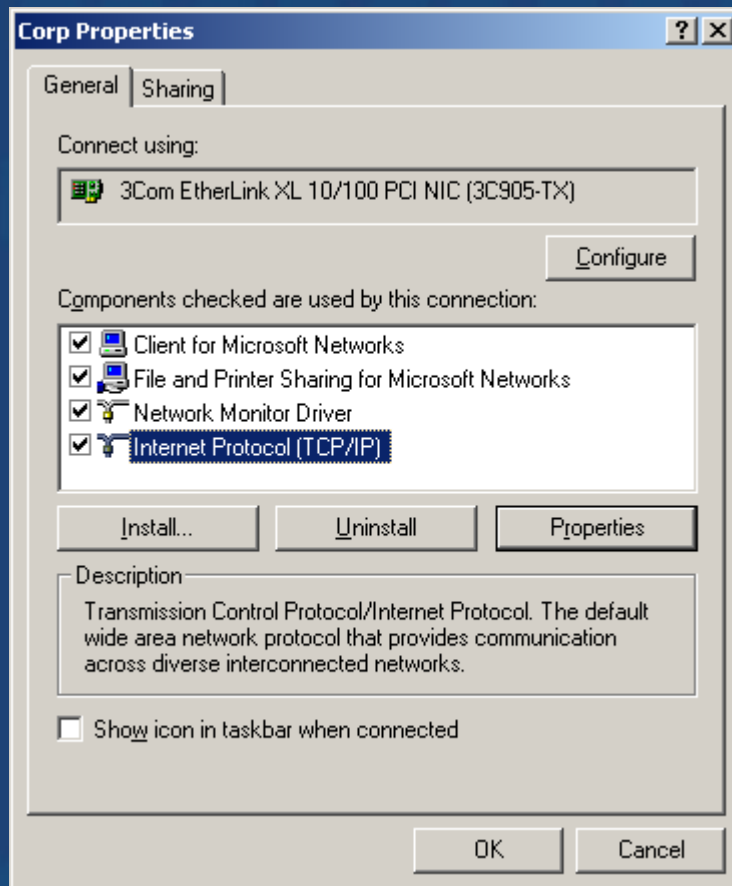
What we can improve on

- **Difficult to control and manage for larger clusters**
- **Switch Flooding on non-NLB ports**
- **Does not monitor application failures**
- **Having to enter the cluster IP address twice**

Goals for Whistler

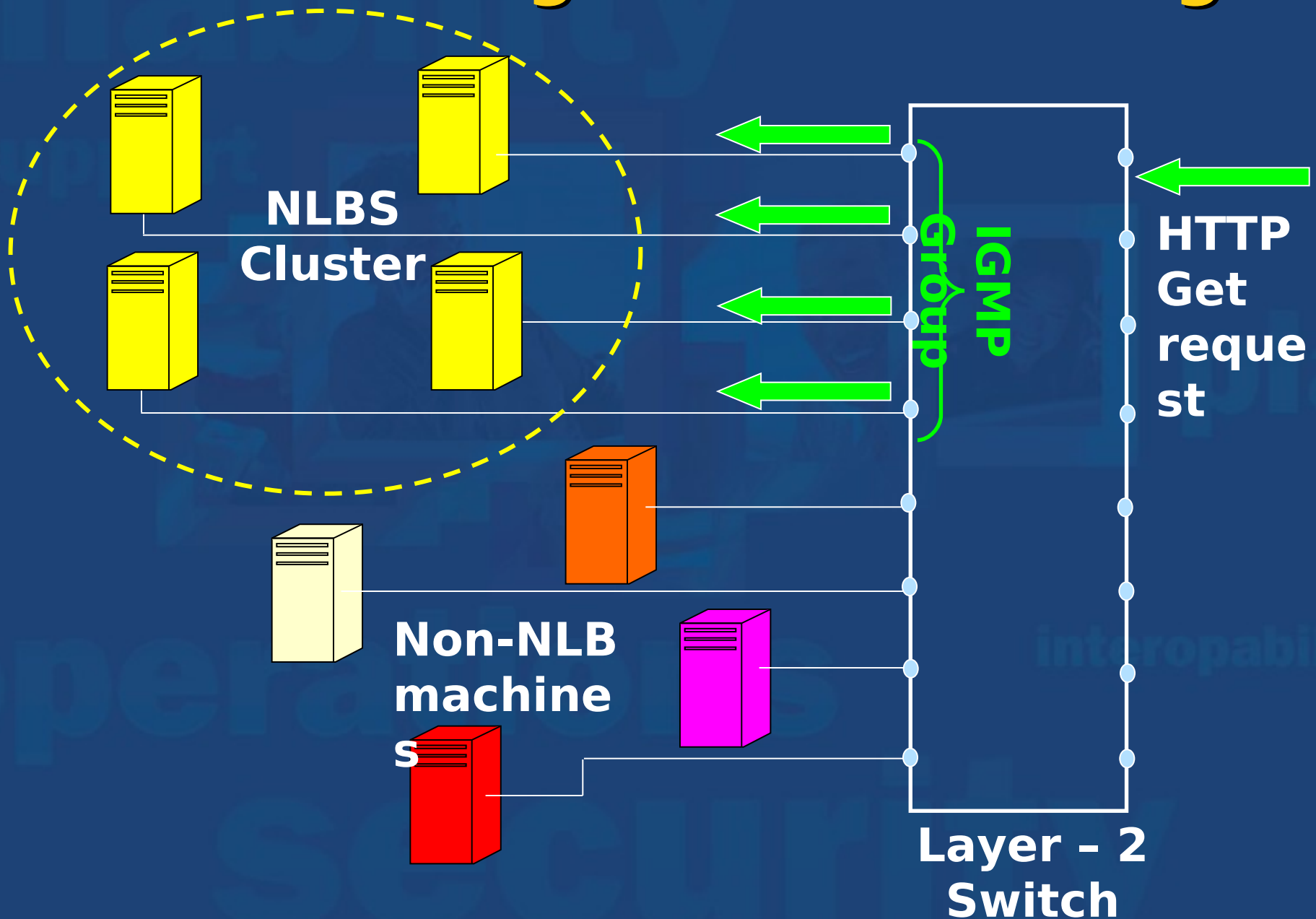
- **Improve ease of use**
 - Integrate NLB UI with the TCP/IP UI
 - Enter Cluster IP address only once
 - Drop down list for IP Addresses
- **Control Switch Flooding**
 - Use IGMP for group membership
 - Cluster traffic limited to “NLB ports”
- **Multiple clusters on multiple NICs**
 - NLB can be bound to more than one NIC in the same machine
 - Different clusters can run on different NICs

The User Interface - A Preview

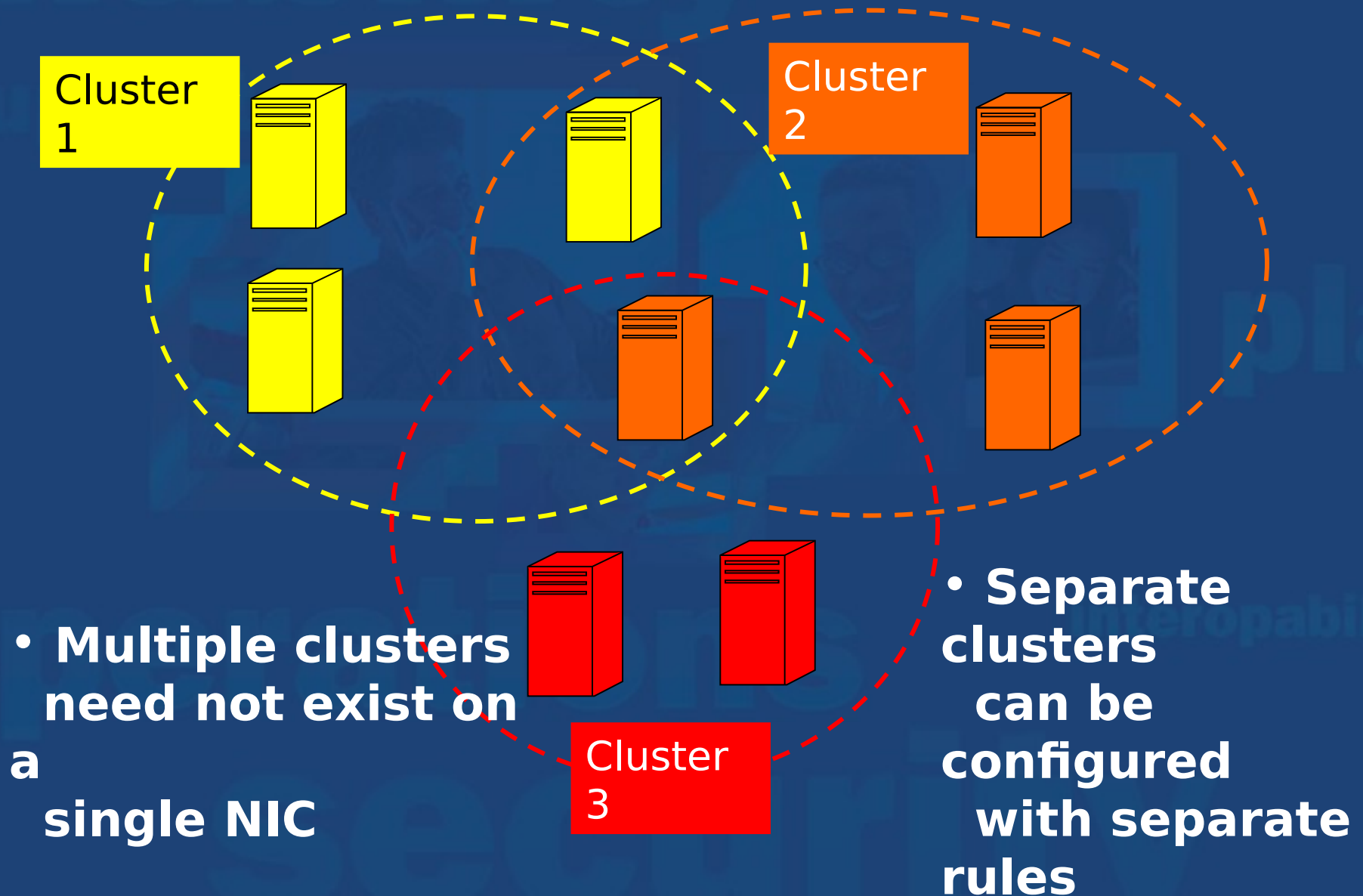


- Integrate the NLB UI with the TCP/IP UI
- Drop-down lists for ease of configuration
- Enter Primary IP Address only once

Controlling Switch Flooding



Multiple NIC support



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